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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/568,822	07/21/2006	Grant Berent Jacobsen	4702-42	6771
23117 NIXON & VAN	7590 06/12/200 NDERHYE. PC	EXAMINER		
901 NORTH G	LEBE ROAD, 11TH F	LU, C CAIXIA		
ARLINGTON, VA 22203			ART UNIT	PAPER NUMBER
			1796	
			MAIL DATE	DELIVERY MODE
			06/12/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/568,822	JACOBSEN ET AL.			
Office Action Summary	Examiner	Art Unit			
	Caixia Lu	1796			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w. - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 18 Ag This action is FINAL . 2b) ☑ This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 21-40 is/are pending in the application 4a) Of the above claim(s) 23,24 and 36-40 is/ar 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 21,22 and 25-35 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on is/are: a) ☐ access the description of the content of t	re withdrawn from consideration. relection requirement. r. epted or b) objected to by the E				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 2/22/06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	nte			

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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Group I with polyisobutene as the elected inert material species in the reply filed on April 18, 2008 is acknowledged. Currently, claims 21-22 and 25-35 are under examination.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 21-22 and 25-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brant (WO 96/34020).

The instant claims are directed to a support catalyst composition comprising a porous support such as silica, a polymerization catalyst such as metallocene, a cocatalyst such as a borate, and an inert material such as polyisobutene (the elected species).

Brant teaches a support catalyst composition for olefin polymerization comprising a silica support, a metallocene complex, an activator, and an inert hydrocarbon component (page 2, lines 10-18; page 9, line 12 to page 10, line 24; and page 11, lines 9-17). While Brant does expressly teaches that the inert hydrocarbon component is a low molecular weight partially crystalline polyolefin and exemplified ethylene polymer and propylene polymer, Brant does not specifically disclose polyisobutene species as

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the inert hydrocarbon component. However, one would immediately envision the low molecular weight olefin polymer to be other simplest polyolefins such as poly(butene-1), polyisobutene, poly(pentene-1), etc..

Thus, it would have been obvious to a skilled artisan at the time the invention was made to employ Brant's teaching to prepare an inert hydrocarbon component coated supported metallocene catalyst by using the simplest polyolefin such as polyisobutene as the inert hydrocarbon component such is within the scope of Brant's generic disclosure and in the absence of any showing criticality and unexpected results.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caixia Lu whose telephone number is (571) 272-1106. The examiner can normally be reached from 9:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful and the matter is urgent, the examiner's supervisor, David Wu, can be reached at (571) 272-1114. The fax numbers for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1700.

/Caixia Lu/ Caixia Lu, Ph. D. Primary Examiner